

Name: _____

Date: _____

Period: _____

#18 A motor boat traveled 12 miles with the current, turned around, and returned 12 miles against the current to its starting point. The trip with the current took 2 hours and the trip against took 3 hours. Find the speed of the boat and the speed of the current.

1. Fill-in the blanks

2. Divide by the coefficient of the (DP)

3. Eliminate and solve for r

4. Use $r = \underline{\hspace{1cm}}$ and substitute to solve for c

5. Check via substitution

6. Answer as a sentence

#38 A boat travels 18 miles downstream in 1.5 hours. It then takes the boat 3 hours to travel upstream the same distance. Find the speed of the boat in still water and the speed of the current.

1. Fill-in the blanks

2. Divide by the coefficient of the (DP)

3. Eliminate and solve for r

4. Use $r = \underline{\hspace{1cm}}$ and substitute to solve for c

5. Check via substitution

6. Answer as a sentence